AFCTN Report
94-065

AFCTB-ID
94-034

Header Record Data Evaluation

Using:

Concurrent Technologies Corporation's
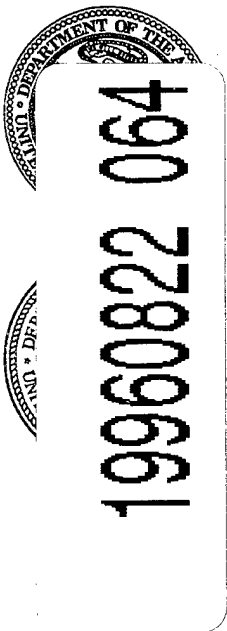
Alpha Tapetool Generated Data

Supporting:

MIL-STD-1840B Requirements

Quick Short Test Report

10 June 1994

19960822 064

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Tape Format and Header Record Evaluation

Using:

Concurrent Technologies Corporation's Alpha Tool Generated Data

Supporting:

MIL-STD-1840B Requirements

Quick Short Test Report

10 June 1994

Prepared By
Air Force CALS Test Bed
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Air Force CALS Test Bed

Notification of Test Results

10 June 1994

This notice documents the results of an Air Force CALS Test Bed (AFCTB) Quick Short Test Report (QSTR) evaluation of data submitted by:

Concurrent Technologies Corporation

Identified as follows:

Title:	**MIL-STD-1840B Header Record Evaluation**
Program:	**N/A**
Program Office:	**N/A**
Contract No.:	**N/A**
QSTR No.:	**AFCTB-ID 94-034**

Received on the following media: 9 Track Tape

The results of the AFCTB Quick Short Test evaluation are as follows:

MIL-STD-1840B Media Format: **Failed**

Formal results with associated disclaimer are documented and available from the AFCTB.

**Air Force CALS Test Bed
Det 2 HQ ESC/AV-2P
4027 Colonel Glenn Highway, Suite 300
Dayton, OH 45431-1672
Phone: 513-257-3085   FAX: 513-257-5881**

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1. Introduction

1.1 Background

The Continuous Acquisition and Life-cycle Support (CALS) Program is a DoD initiative to enable and accelerate the movement from paper-based to a digital environment. The Air Force CALS Test Network (AFCTN),a confederation of voluntary government and industry participants, provides CALS testing services and offers assistance to the CALS community. Its primary test activities are executed by the Air Force CALS Test Bed (AFCTB), and managed by the Electronic Systems Center (ESC).

The primary objective of the AFCTN is to evaluate the effectiveness of the CALS standards for technical data interchange and to demonstrate the technical capabilities and operational suitability of those standards. Two general categories of tests are performed to evaluate the standards; formal and informal.

Formal tests are large and comprehensive, which follow a written test plan, require specific authorization from the DoD, and may take months to prepare, execute, and report.

Informal tests are quick and short, used by the AFCTN technical staff to broaden the testing base. They include representative samples of the many systems and applications used by AFCTN participants. They also allow the AFCTN staff to gain feedback from many industry and government interpretations of the standards, to increase the base of participation in the CALS initiative, and respond to the many requests for help that come from participants. Participants take part voluntarily, benefit by receiving an evaluation of their latest implementations and interpretations of the standards, interact with the AFCTN technical staff, gain experience using the standards, and develop increased confidence in them. The results of informal tests are reported in Quick Short Test Reports (QSTRs) that briefly summarize the standard(s) tested, the hardware and software used, the nature of the test, and the results.

1.2 Purpose

The purpose of this informal test was to accomplish a limited evaluation of a MIL-STD-1840B data transfer package. Concurrent Technologies Corporation (CTC) requested compliance verification of each document declaration header record and data file header record contained in the transfer package.

By agreement, the contents of the data files in the transfer package were not to be tested with respect to their individual file type specification requirements.

2. Test Parameters

Test Plan: AFCTB 94-034

**Date of
Evaluation:**   10 June 1994

Evaluator: Hal Falk
Air Force CALS Test Bed
DET 2 HQ ESC/AV-2P
4027 Colonel Glenn Hwy
Suite 300
Dayton OH 45431-1672

**Data
Originator:**   Arthur S. Ullery
Concurrent Technologies Corporation (CTC)
1450 Scalp Avenue.
Johnstown, PA 15904
(814) 269-2869

**Data
Description:**   MIL-STD-1840B

4	Document Declaration Files
1026	Contract Defined (Data) Files
5	Computer Graphics Metafile (CGM) Files
1	Electronic Design Interchange Format(EDIF) File
2	Document Type Definition (DTD) Files
2	Format Output Specification Instance(FOSI) Files
1	Institute for Interconnecting & Packaging Electronic Circuits (IPC) File
2	Standard Generalized Markup Language (SGML) Text Entity Files
1	Page Description Language (PDL) File
136	Initial Graphics Exchange Specification (IGES) Files
12	Raster Files
2	SGML Coded Text Files
1	VHSIC Hardware Description Language (VHDL) File
1	Special Word File
2	Gray Scale/Color Data Files

**Data
Source System:**

    HARDWARE
        486 PC

    SOFTWARE
        CTC "Tapetool," alpha version

Evaluation Tools Used:

Sun 3/280 w/Unix OS
AFCTN Tapetool v2.0.0 (1840B), Modified

Evaluation Standards:

ANSI X3.27 (1987)
MIL-STD-1840B
MIL-R-28002

Standard Tested:

MIL-STD 1840B

3. 1840B Analysis

3.1 External Packaging

Two nine-track tapes were delivered to the AFCTB in a commercial mailing box. The exterior of the box was not marked with a magnetic tape warning label, as required by MIL-STD-1840B, paragraph 5.5.2.2. The tapes were not enclosed in a barrier bag or barrier sheet material as required by MIL-STD-1840B, paragraph 5.5.2.1.

A packing list showing all files recorded on the tapes was not included. Inspection of the tape reels showed the labels indicating the recording density, as required by MIL-STD-1840B, paragraph 5.5.2.

3.2 MIL-STD 1840B Analysis

The single transfer set was described in a CTC letter as a product of an alpha version of CTC developed software which was intended to produce MIL-STD-1840B compliant transfer packages. CTC requested that the evaluation not be done with the AFCTN Tapetool. CTC indicated that their product was not compatible with the AFCTN tool. Specifically two issues were raised. (1) Tapetool "incorrectly assumes that certain data files have variable length records," and (2) "Tapetool incorrectly assumes that most types of data files have actual data within the first block (where only the data file header records should be)."

These issues took exception with the AFCTN interpretation of MIL-STD-1840B and its implementation in the development of the 1840B version of the Tapetool. A review of the Standard, both in detail and intent, was initiated as a result of this test request. An evaluation of the AFCTN Tapetool was accomplished along with the review of the submitted data.

In addition to the issues raised by CTC, one other surfaced while testing the CTC transfer set. This issue was the size of transfer sets that Tapetool is able to test, in terms of

the number of files and the amount of data which the file sets may contain. The AFCTB Tapetools (for both MIL-STD-1840A and B) were designed to run on both DOS and UNIX operating systems. The tools create a number of arrays that require large amounts of memory. Tapetool designers limited the number of files that could be accommodated and tested to 300 files. The transfer package submitted by CTC contained 1198 files.

Responding to the issues raised by CTC, the Tapetool utility was modified to enable it to read the fixed record length formats of all MIL-STD-1840B defined data file types. The code was also changed to permit the utility to read and accommodate 1250 files. This code was compiled on a SUN 3/280 with a UNIX operating system. The CTC transfer set data was successfully read and evaluated using this modified version of Tapetool.

3.2.1 Tape File Structure

The tape file structure was examined by the 1840B Tapetool Tape Evaluation routine that checks the ANSI file structure and labeling. A single error was detected. A block count error occurred in the file that was written at the end of the first tape volume and continued at the beginning of the second tape volume. The error appears to be caused by the tape writing routine not being reset to zero when the remaining blocks of the file are written on the second tape. The error message from the 1840B Tapetool Tape Scan Log follows:

*** ERROR (ANSI X3.27; 8.5.1.13) - EOF1 Block Count does not equal
the actual block count. Expected => 720; Actual => 513

Appendix A, paragraph 9.1, contains the complete context of this error. The first 207 blocks of file D004Q062 were written at the end of the first tape, as section 0001. The tape writing routine correctly wrote the block count, 207, in the end of volume record. The remaining 513 blocks of the file were written, as file D004Q062, section 0002, on the second tape volume. However, the block count of 720 was written in the EOF record of section 0002 instead of the correct value, 513. Tapetool read the 513 blocks, and compared this number with the EOF block count of 720 and noted the error with respect to ANSI Standard X3.27, paragraph 8.5.1.13.

3.2.2 Declaration and Header Fields

The header records of document declaration and data files were examined by the 1840B Tapetool File Set Evaluation routine. Four error types were detected. Table 3.1 lists the file locations where the errors were detected, Tapetool error messages and notes, and evaluator comments. Appendix A, paragraph 9.2, contains the context where these errors were reported by the File Set Evaluation routine.

The first error was an incorrect format of the "CHGLVL" field in all four document declaration files. The correct format for all date/time fields is: "YYYYMMDD/HHHH:SS" (MIL-STD-1840B, figure 2, contains an incorrect example of this format).

The second error noted was an invalid value for the field "SRCDOCID" in a number of data file headers. The "SRCDOCID" was incorrectly set to "NONE" in the headers of the following files: contract defined, CGM, EDIF, DTD, FOSI, IPC, SGML text entity, PDL, IGES, Raster, SGML coded text, VHDL, special word, and gray scale files. The value for "SRCDOCID" in these data file headers must be the same as it appears in the document declaration headers where these files are located.

The third and fourth errors were associated with raster files. The "RPELCNT" and "RDENSTY" fields in the headers of all raster files in the transfer package were invalid. See the error messages and comment in table 3.1.

Error No.	File Location	Error Messages and Notes CALS Test Network File Set Evaluation Log Output	Comment
1	D001 D002 D003 D004	chglvl: ORIGINAL, 0, 0, 19940101:1200:00 *** ERROR (MIL-STD-1840B; 5.3.1.2) - Invalid date/time format encountered. *** NOTE (MIL-STD-1840B; 5.3.1.2) - The Date/Time Format shall be YYYYMMDD/HHHH:SS.	MIL-STD-1840B contains a discrepancy in the example for chglvl in Figure 2. Other date references are correct in the Standard.
2	D001A001 D001C001 D001E001 D001G001 D001H001 D001I001 D001N001 D001P001 D001Q001 D001R001 D001T001 D001V001 D001X001 D001Z001 D002G001 D002H001 D002N001 D002T001	*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'. *** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the Source Organization's Document Number.	See Table IV and Table V, in MIL-STD-1840B.

3	D001R001
	D003R001
	D003R002
	D003R003
	D003R004
	D003R005
	D003R006
	D003R007
	D003R008
	D003R009
	D003R0010
	D004R001
		rpelcnt: 000000,000000
		*** ERROR (MIL-R-28002; 3.1.1.3) - Invalid value for 'rpelcnt:'.
		    Expected pel path pels to be an integer greater than zero.
		*** ERROR (MIL-R-28002; 3.1.1.3) - Invalid value for 'rpelcnt:'.
		    Expected progression lines to be an integer greater than zero.
			MIL-R-28002 requires the value to be a positive integer. "0" is not a positive integer.

4	D001R001 D003R001 D003R002 D003R003 D003R004 D003R005 D003R006 D003R007 D003R008 D003R009 D003R0010 D004R001	rdensty: 6BMU *** ERROR (MIL-R-28002; 3.1.1.2) - Invalid value for 'rdensty:'. Expected image density => 0200, 0240, 0300, 0400, 0600, 1200, or 'MIXED'.	

Table 3.1   Declaration and Data File Errors

4. Conclusions and Recommendations

4.1 Conclusions

4.1.1 CTC Submitted Transfer Package

The submitted transfer package contained on two nine-track tapes did not meet MIL-STD-1840B requirements because of one tape format error and 4 types of header errors, repeated several times in 33 of the 1198 data files contained in the transfer package.

4.1.2 1840B Tapetool

Until the CTC data was received, no question of the tool's viability had been raised. The beta version of 1840B Tapetool had been available for use for several months; however, no feedback from its use had been received by the AFCTB.

The MIL-STD-1840B tape transfer package submitted by CTC was a significant challenge to the AFCTN 1840B Tapetool. The CTC data contained examples of all of the defined MIL-STD-1840B file types, in different combinations, in four documents. In addition, the length of the transfer set, 1198 files contained in two tape volumes, tested the tool's capability to process large amounts of data. After modifying Tapetool to correct its tape reading routines, the AFCTB was able to fully test the CTC submitted transfer package.

4.2 Recommendations

As a result of the analysis of MIL-STD-1840B and Tapetool during this test, two recommendations have been initiated.

A DD Form 1426, Standardization Document Improvement Proposal, will be submitted recommending corrections be made to the date/time format illustrations in MIL-STD-1840B, paragraph 5.3.1.2, figure 2, lines 5 and 10.

A report will be prepared to document and recommend required changes to the AFCTB Tapetool for MIL-STD-1840B.

5. Appendix A - Tapetool Report Logs

5.1 Tape Evaluation Log

The portion of the Tape Evaluation Log listed below contains data indicating the ANSI X3.27 file header parameter error which occurred in the first file of the second tape volume.

CALS Test Network Tape Evaluation - Version 2.0; Release 1 (C)
  Standards referenced:
    ANSI X3.27 (1987) - File Structure and Labeling of Magnetic Tapes
            for Information Interchange
    ANSI X3.4 (1986) - Coded Character Sets - 7 Bit ASCII

Thu Jun 9 09:12:56 1994

ANSI Tape Import Log

Allocating tape drive /dev/rmt0...

/dev/rmt0 allocated.

VOL1CALS01   4

  Label Identifier: VOL1
  Volume Identifier: CALS01
  Volume Accessibility:
  Owner Identifier:
  Label Standard Version: 4

Tape scan data from files D001 through D004Q061 deleted

Tape scan data from file D004Q062 follows

HDR1D004Q062   000111129000000000000000000000 000000

  Label Identifier: HDR1
  File Identifier: D004Q062
  File Set Identifier:
  File Section Number: 0001
  File Sequence Number: 1129
  Generation Number: 0000
  Generation Version Number: 00
  Creation Date: 000000
  Expiration Date: 000000
  File Accessibility:
  Block Count: 000000
  Implementation Identifier:

HDR2F0080000080   00

  Label Identifier: HDR2
  Recording Format: F
  Block Length: 00800
  Record Length: 00080
  Offset Length: 00

************ Tape Mark **************

  Actual Block Size Found = 800 Bytes.

  Number of data blocks read = 207.

************ Tape Mark **************

EOV1D004Q062   00011129000000000000000000 000207

  Label Identifier: EOV1
  File Identifier: D004Q062
  File Set Identifier:
  File Section Number: 0001
  File Sequence Number: 1129
  Generation Number: 0000
  Generation Version Number: 00
  Creation Date: 000000
  Expiration Date: 000000
  File Accessibility:
  Block Count: 000207
  Implementation Identifier:

EOV2F0080000080   00

  Label Identifier: EOV2
  Recording Format: F
  Block Length: 00800
  Record Length: 00080
  Offset Length: 00

************ Tape Mark **************

************ Tape Mark **************

########### End of Volume CALS01 #############

Deallocating /dev/rmt0...

Allocating tape drive /dev/rmt0...

/dev/rmt0 allocated.

VOL1CALS02   4

  Label Identifier: VOL1
  Volume Identifier: CALS02
  Volume Accessibility:
  Owner Identifier:
  Label Standard Version: 4

HDR1D004Q062   00021129000000000000000000000 000000

 Label Identifier: HDR1
 File Identifier: D004Q062
 File Set Identifier:
 File Section Number: 0002
 File Sequence Number: 1129
 Generation Number: 0000
 Generation Version Number: 00
 Creation Date: 000000
 Expiration Date: 000000
 File Accessibility:
 Block Count: 000000
 Implementation Identifier:

HDR2F0080000080   00

 Label Identifier: HDR2
 Recording Format: F
 Block Length: 00800
 Record Length: 00080
 Offset Length: 00

*********** Tape Mark **************

 Actual Block Size Found = 800 Bytes.

 Number of data blocks read = 513.

*********** Tape Mark **************

EOF1D004Q062   00021129000000000000000000000 000720

 Label Identifier: EOF1
 File Identifier: D004Q062
 File Set Identifier:
 File Section Number: 0002
 File Sequence Number: 1129
 Generation Number: 0000
 Generation Version Number: 00
 Creation Date: 000000
 Expiration Date: 000000
 File Accessibility:
 Block Count: 000720
 Implementation Identifier:

*** ERROR (ANSI X3.27; 8.5.1.13) - EOF1 Block Count does not equal
   the actual block count. Expected => 720; Actual => 513

EOF2F0080000080   00

 Label Identifier: EOF2
 Recording Format: F
 Block Length: 00800
 Record Length: 00080
 Offset Length: 00

*********** Tape Mark **************

End of Tape scan data from file D004Q062

Tape scan data from files D004Q063 through D004Z001 deleted.

Tape scan data from end of tape volume two follows

************ Tape Mark ***************

************ Tape Mark ***************

############ End of Volume CALS02 #############

############ End Of Tape File Set #############

Deallocating /dev/rmt0...

Tape Import Process terminated with 1 error(s), 0 warning(s), and 0 note(s).

5.2 File Set Evaluation Log

The portion of the File Set Evaluation Log listed below contains the data indicating the errors detected in the document declaration and data file headers.

CALS Test Network File Set Evaluation - Version 2.0; Release 1 (C)

Standards referenced:
  MIL-STD-1840B (1992) - Automated Interchange of Technical Information

Fri Jun 10 12:40:35 1994

MIL-STD-1840B File Set Evaluation Log

File Set: Set001

Found file: D001

Extracting Document Declaration Header Records...
Evaluating Document Declaration Header Records...

version: MIL-STD-1840B, 0, 19921103
srcsys: Concurrent Technologies Corporation
srcdocid: Example Doc
srcrelid: NONE
chglvl: ORIGINAL, 0, 0, 19940101:1200:00
*** ERROR (MIL-STD-1840B; 5.3.1.2) - Invalid date/time format encountered.
*** NOTE (MIL-STD-1840B; 5.3.1.2) - The Date/Time Format shall be
    YYYYMMDD/HHHH:SS.
dteisu: 19890801/1200:00
dstsys: CALS Test Network
dstdocid: Test Doc
dstrelid: NONE
dtetm: 19940216/1404:14
dlvacc: EMPTY
filcnt: A1,C1,E1,G1,H1,I1,N1,P1,Q1,R1,T1,V1,X1,Z1
ttlcls: UNCLASSIFIED
doccls: UNCLASSIFIED
doctyp: Example Document
docttl: The Document Title
transacttyp: MISCELLANEOUS

1 error(s), 0 warning(s), and 1 note(s) were encountered
in Document Declaration File D001.

Found file: D001A001
Extracting Contract Defined Header Records...
Evaluating Contract Defined Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
    Source Organization's Document Number.
dstdocid: Test Doc
datfilid: NONE

moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in Contract Defined File D001A001.
Saving Contract Defined Header File: D001A001_HDR
Saving Contract Defined Data File: D001A001_CD

Found file: D001C001
Extracting CGM Header Records...
Evaluating CGM Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
    Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in CGM File D001C001.
Saving CGM Header File: D001C001_HDR
Saving CGM Data File: D001C001_CGM

Found file: D001E001
Extracting EDIF Header Records...
Evaluating EDIF Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
    Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in EDIF File D001E001.
Saving EDIF Header File: D001E001_HDR
Saving EDIF Data File: D001E001_EDI

Found file: D001G001
Extracting DTD Header Records...
Evaluating DTD Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.

*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
   Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
fosipubid: The publid identifier
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in DTD File D001G001.
Saving DTD Header File: D001G001_HDR
Saving DTD Data File: D001G001_DTD

Found file: D001H001
Extracting Output Specification Header Records...
Evaluating Output Specification Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
   Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in Output Specification File D001H001.
Saving Output Specification Header File: D001H001_HDR
Saving Output Specification Data File: D001H001_OS

Found file: D001I001
Extracting IPC Header Records...
Evaluating IPC Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
   Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in IPC File D001I001.
Saving IPC Header File: D001I001_HDR
Saving IPC Data File: D001I001_IPC

Found file: D001N001
Extracting SGML Text Entity Header Records...
Evaluating SGML Text Entity Header Records...

specversion: EMPTY

srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
    Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in SGML Text Entity File D001N001.
Saving SGML Text Entity Header File: D001N001_HDR
Saving SGML Text Entity Data File: D001N001_STE

Found file: D001P001
Extracting PDL Header Records...
Evaluating PDL Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
    Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in PDL File D001P001.
Saving PDL Header File: D001P001_HDR
Saving PDL Data File: D001P001_PDL

Found file: D001Q001
Extracting IGES Header Records...
Evaluating IGES Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
    Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in IGES File D001Q001.
Saving IGES Header File: D001Q001_HDR
Saving IGES Data File: D001Q001_IGS

Found file: D001R001
Extracting Raster Header Records...

Evaluating Raster Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
   Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
rorient: 000,270
rpelcnt: 000000,000000
*** ERROR (MIL-R-28002; 3.1.1.3) - Invalid value for 'rpelcnt:'.
   Expected pel path pels to be an integer greater than zero.
*** ERROR (MIL-R-28002; 3.1.1.3) - Invalid value for 'rpelcnt:'.
   Expected progression lines to be an integer greater than zero.
rdensty: 6BMU
*** ERROR (MIL-R-28002; 3.1.1.2) - Invalid value for 'rdensty:'.
   Expected image density => 0200, 0240, 0300, 0400, 0600, 1200, or 'MIXED'.
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

4 error(s), 0 warning(s), and 1 note(s) were encountered
in Raster File D001R001.
Saving Raster Header File: D001R001_HDR
Saving Raster Data File: D001R001_GR4

Found file: D001T001
Extracting SGML Coded Text Header Records...
Evaluating SGML Coded Text Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
   Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
fosipubid: The publid identifier
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in SGML Coded Text File D001T001.
Saving SGML Coded Text Header File: D001T001_HDR
Saving SGML Coded Text Data File: D001T001_TXT

Found file: D001V001
Extracting VHDL Header Records...
Evaluating VHDL Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
   Source Organization's Document Number.
dstdocid: Test Doc

moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in VHDL File D001V001.
Saving VHDL Header File: D001V001_HDR
Saving VHDL Data File: D001V001_VHD

Found file: D001X001
Extracting Special Word Header Records...
Evaluating Special Word Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
    Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in Special Word File D001X001.
Saving Special Word Header File: D001X001_HDR
Saving Special Word Data File: D001X001_SPE

Found file: D001Z001
Extracting Grey Scale Header Records...
Evaluating Grey Scale Header Records...

specversion: EMPTY
srcdocid: NONE
*** ERROR (MIL-STD-1840B; 5.3.2.2) - Invalid value for 'srcdocid:'.
*** NOTE (MIL-STD-1840B; 5.3.2.2) - The value must be the
    Source Organization's Document Number.
dstdocid: Test Doc
moduleid: Entity Name
dtype: 1
didid: ABC123XYZ
doccls: UNCLASSIFIED
notes: NONE

1 error(s), 0 warning(s), and 1 note(s) were encountered
in Grey Scale File D001Z001.
Saving Grey Scale Header File: D001Z001_HDR
Saving Grey Scale Data File: D001Z001_GRY

Checking file count...
No errors were encountered during file count verification.
File Count verification complete.

A total of 18 error(s), 0 warning(s), and 15 note(s) were
encountered in Document D001.